

**Kirkpatrick & Lockhart Nicholson Graham LLP**

SEP 20 2005

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Date • September 20, 2005

Pages • 22

Time •

Transmit To • Commissioner for Patents

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Secretary • Karen Boucher

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Attorney No. • 5975

Client/Matter Name STK-081

Client ID/Matter No. • 0519290/0166

COMMENTS: U.S. Patent Application No. 10/081,163

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SEP 20 2005

TRANSMITTAL
FORM

Application Serial Number	10/081,163
Filing Date	February 20, 2002
First Named Inventor	Chubinskaya
Group Art Unit	1641
Examiner Name	Gary W. Counts
Attorney Docket No.	STK-081
Parent No.	Not applicable
Issue Date	Not applicable

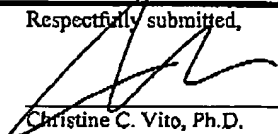
ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input checked="" type="checkbox"/> Copy of Fee Transmittal Form <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets <u>15</u>] <input type="checkbox"/> Petition for Extension of Time <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Copies of IDS Citations <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below) <input checked="" type="checkbox"/> Request for Continued Examination
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CORRESPONDENCE ADDRESS

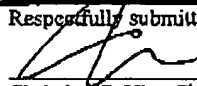
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SIGNATURE BLOCK

Respectfully submitted,

 Date: September 20, 2005
 Reg. No. 39,061
 Tel. No.: (617) 261-3150
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 Christine C. Vito, Ph.D.
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SEP 20 2005

FEE TRANSMITTAL FY 2005		<i>Complete if Known</i>	
Application Serial Number		10/081,163	
Filing Date		February 20, 2002	
First Named Inventor		Chubinskaya et al.	
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METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																												
1. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other	3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Large Entity Fee (\$)</th> <th style="width: 15%;">Small Entity Fee (\$)</th> <th style="width: 50%;">Fee Description</th> <th style="width: 20%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>130</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>50</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>130</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>2,520</td><td>2,520</td><td>Request for ex parte reexamination</td><td></td></tr> <tr><td>120</td><td>60</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>450</td><td>225</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1020</td><td>510</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1590</td><td>795</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>2160</td><td>1080</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>500</td><td>250</td><td>Notice of Appeal</td><td></td></tr> <tr><td>500</td><td>250</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1000</td><td>500</td><td>Request for oral hearing</td><td></td></tr> <tr><td>400</td><td>400</td><td>Petitions to the Commissioner (Gp. I)</td><td></td></tr> <tr><td>200</td><td>200</td><td>Petitions to the Commissioner (Gp. II)</td><td></td></tr> <tr><td>130</td><td>130</td><td>Petitions to the Commissioner (Gp. III)</td><td></td></tr> <tr><td>180</td><td>180</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>790</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td>790.00</td></tr> <tr><td>790</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>100</td><td>100</td><td>Certificate of Correction for applicant's error</td><td></td></tr> <tr><td>130</td><td>65</td><td>Submission of Terminal Disclaimer</td><td></td></tr> <tr><td colspan="2">Other fee (Specify)</td><td></td><td></td></tr> <tr><td colspan="2">Other fee (Specify)</td><td></td><td></td></tr> </tbody> </table>	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	130	65	Surcharge - late filing fee or oath		50	25	Surcharge - late provisional filing fee or cover sheet		130	130	Non-English specification		2,520	2,520	Request for ex parte reexamination		120	60	Extension for reply within first month		450	225	Extension for reply within second month		1020	510	Extension for reply within third month		1590	795	Extension for reply within fourth month		2160	1080	Extension for reply within fifth month		500	250	Notice of Appeal		500	250	Filing a brief in support of an appeal		1000	500	Request for oral hearing		400	400	Petitions to the Commissioner (Gp. I)		200	200	Petitions to the Commissioner (Gp. II)		130	130	Petitions to the Commissioner (Gp. III)		180	180	Submission of Information Disclosure Statement		790	395	Filing a submission after final rejection (37 CFR 1.129(a))	790.00	790	395	For each additional invention to be examined (37 CFR 1.129(b))		100	100	Certificate of Correction for applicant's error		130	65	Submission of Terminal Disclaimer		Other fee (Specify)				Other fee (Specify)			
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2. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 50-1721. <input checked="" type="checkbox"/> Required Fees (copy of this sheet enclosed). <input checked="" type="checkbox"/> Additional fee required under 37 CFR 1.16 and 1.17. <input checked="" type="checkbox"/> Overpayment Credit.	1. FILING/SEARCH/EXAM/SIZE FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Large Entity Fee (\$)</th> <th style="width: 55%;">Fee Description</th> <th style="width: 30%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>300</td><td>Utility filing fee</td><td></td></tr> <tr><td>500</td><td>Utility search fee</td><td></td></tr> <tr><td>200</td><td>Utility exam fee</td><td></td></tr> <tr><td>250</td><td>Utility size fee (each add'l 50 pgs. over 100)</td><td></td></tr> <tr><td>200</td><td>Design filing fee</td><td></td></tr> <tr><td>100</td><td>Design search fee</td><td></td></tr> <tr><td>130</td><td>Design exam fee</td><td></td></tr> <tr><td>250</td><td>Design size fee (each add'l 50 pgs. over 100)</td><td></td></tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Number Filed</th> <th style="width: 15%;">Number Extra</th> <th style="width: 15%;">Rate</th> <th style="width: 55%;">Amount</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>- 20 =</td> <td>x \$ 50.00 =</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>- 3 =</td> <td>x \$200.00 =</td> <td></td> </tr> <tr> <td colspan="3"><input type="checkbox"/> Multiple Dependent Claim(s), if any</td> <td>\$360.00 =</td> </tr> <tr> <td colspan="3" style="text-align: center;">TOTAL:</td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;">SMALL ENTITY DISCOUNT:</td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;">SUBTOTAL (1)</td> <td style="border: 1px solid black;">(\$)</td> </tr> </tbody> </table> 2. AMENDMENT CLAIM FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Claims Remaining After Amend.</th> <th style="width: 15%;">Highest No. Previously Paid For</th> <th style="width: 15%;">Present Extra</th> <th style="width: 15%;">Rate</th> <th style="width: 40%;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>=</td> <td>=</td> <td>x \$ 50.00 =</td> <td></td> </tr> <tr> <td>Indep.</td> <td>=</td> <td>=</td> <td>x \$ 200.00 =</td> <td></td> </tr> <tr> <td colspan="3"><input type="checkbox"/> First Presentation of Multiple Dep. Claim</td> <td>+ \$ 360.00 =</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: center;">TOTAL:</td> <td style="border: 1px solid black;">(\$)</td> </tr> <tr> <td colspan="4" style="text-align: center;">SMALL ENTITY DISCOUNT:</td> <td style="border: 1px solid black;">(\$)</td> </tr> <tr> <td colspan="4" style="text-align: center;">SUBTOTAL (2)</td> <td style="border: 1px solid black;">(\$)</td> </tr> </tbody> </table>	Large Entity Fee (\$)	Fee Description	Fee Paid	300	Utility filing fee		500	Utility search fee		200	Utility exam fee		250	Utility size fee (each add'l 50 pgs. over 100)		200	Design filing fee		100	Design search fee		130	Design exam fee		250	Design size fee (each add'l 50 pgs. over 100)		Number Filed	Number Extra	Rate	Amount	Total Claims	- 20 =	x \$ 50.00 =		Independent Claims	- 3 =	x \$200.00 =		<input type="checkbox"/> Multiple Dependent Claim(s), if any			\$360.00 =	TOTAL:				SMALL ENTITY DISCOUNT:				SUBTOTAL (1)			(\$)	Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid	Total	=	=	x \$ 50.00 =		Indep.	=	=	x \$ 200.00 =		<input type="checkbox"/> First Presentation of Multiple Dep. Claim			+ \$ 360.00 =		TOTAL:				(\$)	SMALL ENTITY DISCOUNT:				(\$)	SUBTOTAL (2)				(\$)		
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CORRESPONDENCE ADDRESS Direct all correspondence to: Patent Administrator Kirkpatrick & Lockhart Nicholson Graham LLP 75 State Street Boston, MA 02109-1808 Tel. No.: (617) 261-3100 Fax No.: (617) 261-3175	SIGNATURE BLOCK Respectfully submitted,  Date: September 20, 2005 Reg. No.: 39,061 Tel. No.: (617) 261-3150 Fax No.: (617) 261-3175 Christine C. Vito, Ph.D. Attorney for the Applicants Kirkpatrick & Lockhart Nicholson Graham LLP 75 State Street Boston, MA 02109-1808																																																																																												

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SEP 20 2005

PATENT
Attorney Docket No. STK-081

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Chubinskaya et al.
SERIAL NO.: 10/081,163 GROUP NO.: 1641
FILING DATE: February 20, 2002 EXAMINER: Gary W. Counts
TITLE: Methods of Using Bone Morphogenic Proteins as Biomarkers for
Determining Cartilage Degeneration and Aging

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence, and any document(s) referred to as attached hereto, is/are being transmitted to the United States Patent and Trademark Office, Facsimile No. (571) 273-8300 on this 20th day of September, 2005.


Karen Boucher

Attached hereto is/are:

1. Transmittal Form (1 page);
2. Fee Transmittal Form (1 page);
3. copy of Fee Transmittal Form (1 page);
4. Amendment and Response (15 pages); and
5. Request for Continued Examination (2 pages).